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Margolin, A. D.

The state-of-the-art and certain problems in the theory of combustion of condensed systems

GORENIYE I VZRYV, 1972, pp. 5-14

AIR/FTD-MT-24-572-74

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Shteebel', E. A.

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of Liquid Systems 7 pp
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Muratov, S. M.

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4 pp

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AIR/FTD-HT-23-618-74

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On the Special Features of Igniting [illegible] in a Hot Gas

GORENIYE I VZRYV, 1972, pp. 34-37

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Grishin, A. M.

The Heterogeneous-Homogeneous Ignition of a Reacting Plate in an Oncoming Flow 8 pp

GORENIYE I VZRYV, 1972, pp. 38-43

AIR-FTD-HT-23-620-74

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Ignition of Initiators by an Electrical [illegible]

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Combustion Mechanism of Ammonium and Hydrazinone Salts 9 pp

GORENIYE I VZRYV., 1972, pp. 53-57

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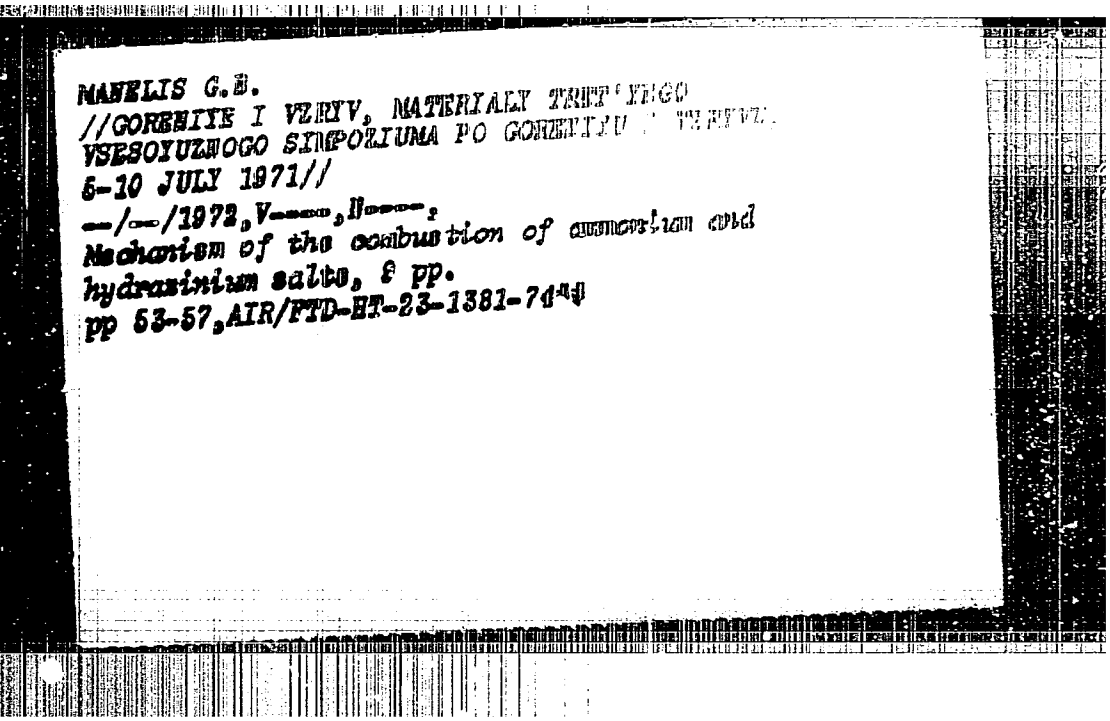

MANELIS G.B.
//GORENIYE I VZRYV, MATERIALY TRET'YEGO
VSESOYUZNOGO SIMPOZIUMA PO GORENIYU I VZRYVU.
5-10 JULY 1971//
--/--/1972,V---,P---;
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hydrazinium salts, 8 pp.
pp 53-57,AIR/FTD-HT-23-1381-71-4

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REQ TR CHECK 26-09-73 T625

THE ROLE OF REACTION CAPABILITY OF AN OXIDIZING GROUP IN THE COMBUSTION OF EXPLOSIVE COMPOUNDS
FORGEL'ZANG, A.YE.; ADZHEMYAN, V.YA.
UR: GORENIYE I VZRYV, 1972, pp. 63-66

Process in us

HT74-23-0625

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REQ TR CHECK 26-09-73 T626

THE BURNING OF MIXTURE "HOMOGENIZED" SYSTEMS
FROLOV, YU.V.; KOROTKOV, A.I.
UR: GORENIYE I VZRYV, 1972, pp. 67-69

Process in as

HT74-23-0626

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The effect of aluminum additives on the operational effectiveness of the catalytic combustion agent Fe_2O_3.
7 pp
GORENIYE I VZRYV, 1972, pp 70-73
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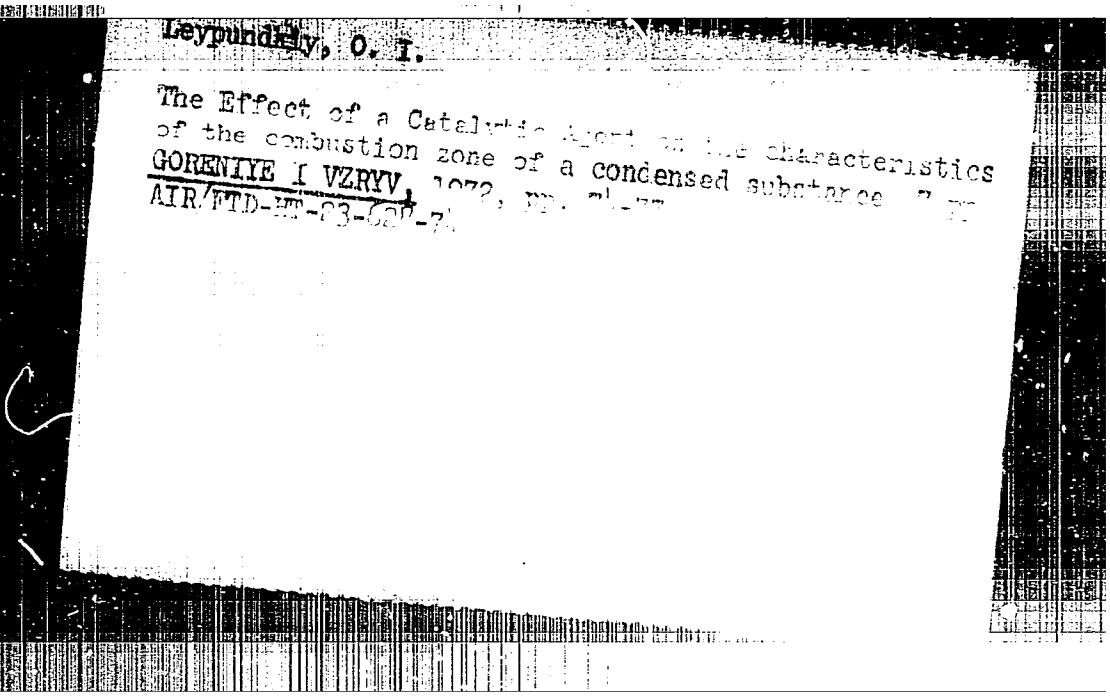

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The Effect of a Catalytic Agent on the Characteristics of the Combustion Zone of a Condensed Substance

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Concerning the Effect of the Nature [illegible]
and the Catalytic Agent [illegible]
Ammonium and Potassium Persulfate [illegible]
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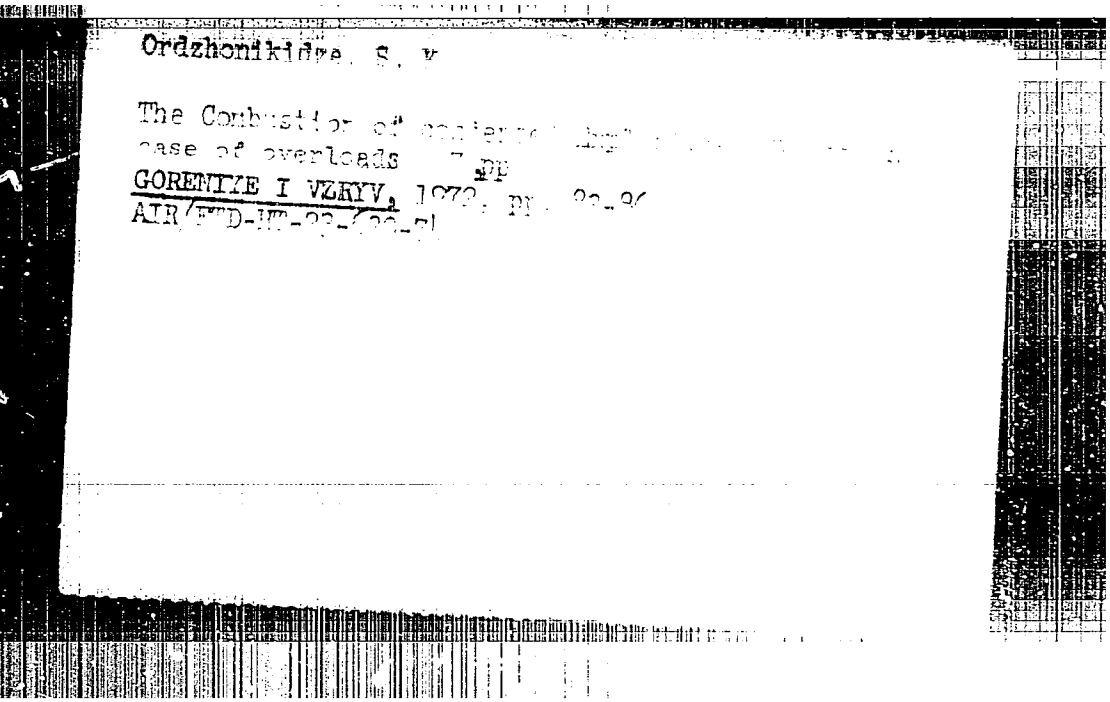

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The Combustion of [illegible]
case of overloads [illegible]
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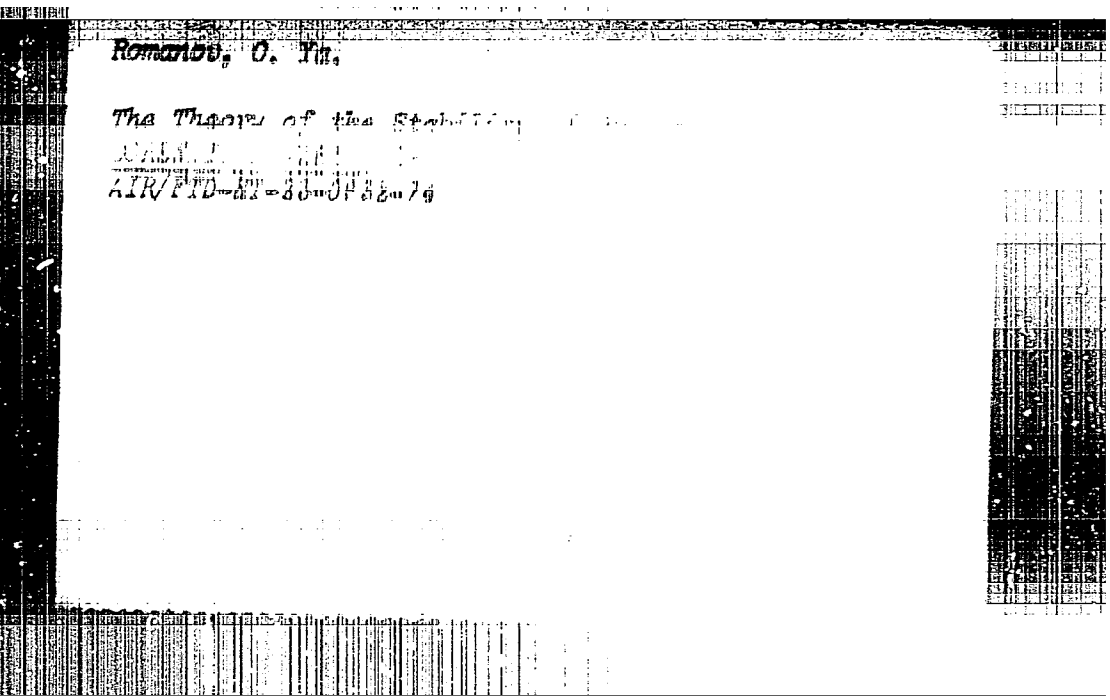

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The Influence of Heat Losses on the Propagation of an Exothermal Reaction Front in the Condensed Phase (pp
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Propagation of Small-Amplitude Wave over the Surface of Powder burning in a Gas Flow [illegible]

GORENIYE I VZRYV, 1972, pp. 110-114

AIR/FTD-MT-23-537-74

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[illegible] ZhKKV, 1972, [illegible]

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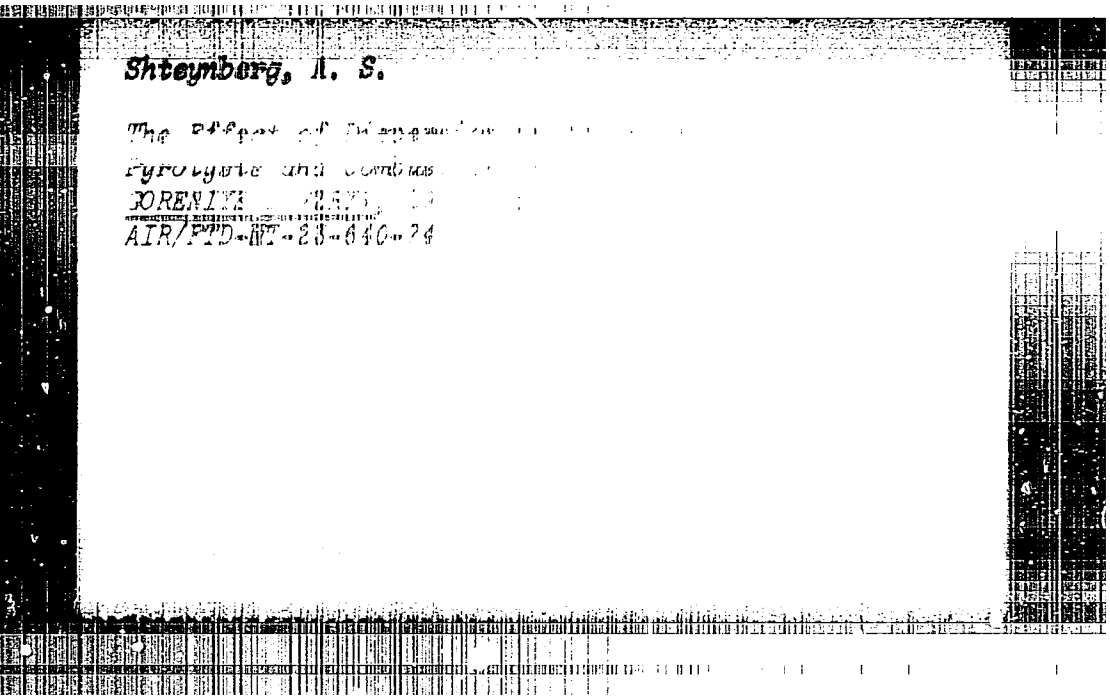

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The Effect of Pyrogenic and Carbonaceous

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Itin, V. T.

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REQ TR CHECK 5-03-74 TJ17

THE PROCESS OF SELF-IGNITION AND COMBUSTION OF HYDROGEN IN SUPERSONIC FLOW
STROKIN, V N
UR: GORENIYE I VZRYV; 1972, pp. 282-285

Process in ~~ok~~

HT74-23-1907

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REQ TR CHECK 5-03-74 TJ18

CONCENTRATION LIMITS OF IGNITION (PROPAGATION OF THE FLAME). THE STATE OF THE PROBLEM
BARATOV, A N
UR: GORENIYE I VZRYV, 1972, pp. 286-288

Process in as

HT74-23-1908

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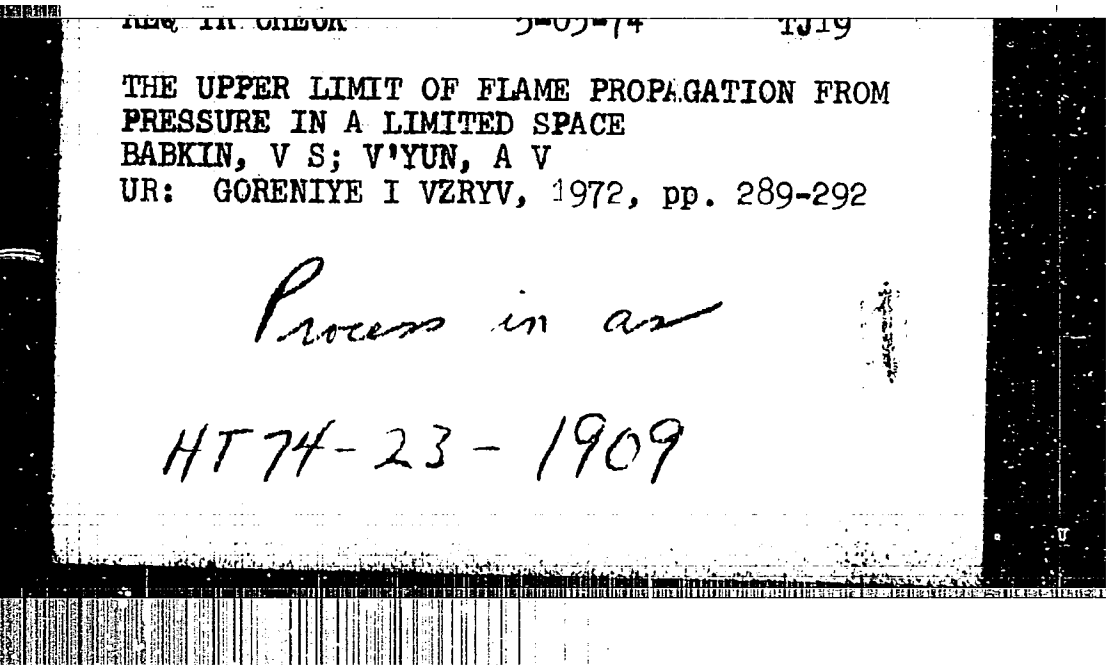

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THE UPPER LIMIT OF FLAME PROPAGATION FROM PRESSURE IN A LIMITED SPACE
BABKIN, V S; V'YUN, A V
UR: GORENIYE I VZRYV, 1972, pp. 289-292

Process in an

HT74-23-1909

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REQ TR CHECK 5-03-74 TJ20

THE PHENOMENON OF THREE LIMITS OF FLAME PROPAGATION IN THE SYSTEM H_2-O_2-N_2

PANIN, V F; PARFENOV, L K

UR: GORENIYE I VZRYV, 1972, pp. 293-295

Process in au

HT74-23-1910

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REQ TR CHECK 5-03-74 TJ21

INVESTIGATION OF THE INFLUENCE OF ACCEEERATION ON THE CONCENTRATION LIMITS IF IGNITION
KRIVULIN, V N; LOVACHEV, L A
URL GORENIYE I VZRYV, 1972, pp. 296-298

Presss in as
HT74-23-1911

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REQ TR CHECK 5-03-74 TJ22

THE THEORY OF THE ARBITRARY FRONT OF A LAMINAR FLAME
KLIMOV, A M
UR: GORENIYE I VZRYV, 1972, pp. 299-304

Process in as

HT74-23-1912

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REQ TR CHECK 5-03-74 TJ23

THE STABILITY OF A HORIZONTAL FLAME IN A FLOW WITH A RATE GRADIENT
GREMYACHKIN, V M; ISTRATOV, A G
URE GORENIYE I VZRYV, 1972, pp. 305-308

Process in ar

HT74-23-1913

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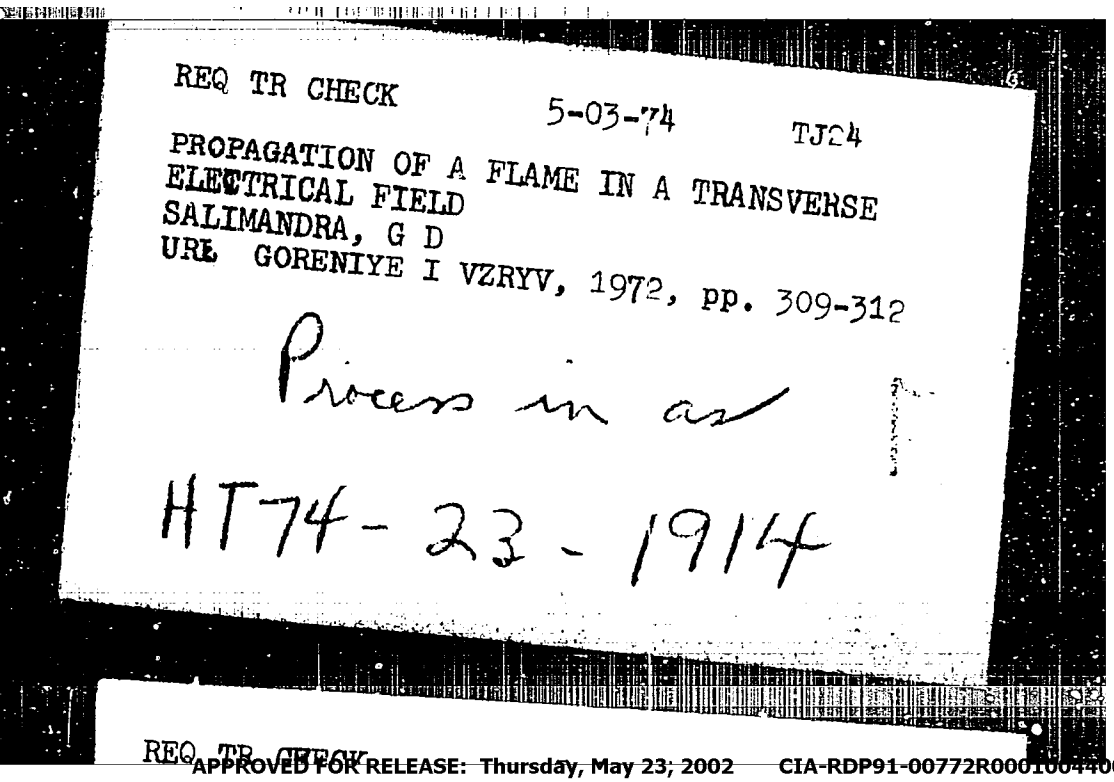

REQ TR CHECK 5-03-74 TJ24

PROPAGATION OF A FLAME IN A TRANSVERSE ELECTRICAL FIELD
SALIMANDRA, G D
URL GORENIYE I VZRYV, 1972, pp. 309-312

Process in as

HT74-23-1914

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REQ TR CHECK 5-03-74 TJ26

INVESTIGATION OF THE STRUCTURE OF DIFFUSION FLAMES OF HYDROGEN

TYUL'PANOV; R.S.; SOKOLENKO, V F

URL GORENIYE I VZRYV, 1972, pp. 318-321

Process in a

HT74-23-1916

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REQ TR CHECK 5-03-74 TJ27

NUMERICAL INVESTIGATION OF LAMINAR GAS FLARE
ARTYUKH; YU L.YU.; VULIS, L A
UR: GORENIYE I VZRYV, 1972, pp. 322-329

Process in a...

HT 74-23-1917

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REQ TR CHECK 5-03-74 TJ28

INVESTIGATION OF THE AERODYNAMICS OF A TURBULENT JE T OF A HOMOGENEOUS MIXTURE
VULIS, L A; KUZNETSOV, O A
URL: GORENIYE I VZRYV, 1972, pp. 330-336

Process in as

HT74-23-1918

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REQ TR CHECK 5-03-74 TJ29

THE INFLUENCE OF THE INITIAL TEMPERATURE ON THE BASIC CHARACTERISTICS OF COMBUSTION IN A TURBULENT FLOW OF A HOMOGENEOUS MIXTURE
KUZIN, A F; YANKOVKSIY, V M
URE GORENIYE I VZRYV, 1972, pp. 337-341

Process in as

HT74-23 - 1919

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REQ TR CHECK 5-03-74 TJ30

THE INFLUENCE OF PULSATIONS OF TEMPERATURE AND CONCENTRATIONS ON THE DELAY OF IGNITION IN A TRUBULENT FLOW
KUZNETSOV, V R
URL GORENIYE I VZRYV, 1972, pp. 342-346

Process in as

HT74-23-1920

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CALCULATION OF A TURBULENT FLARE ON THE BOUNDARY OF WAKE FLOWS
BAKHTIGOZIN, SH KH; NAUMOV, M S
UR: GORENIYE I VZRYV, 1972, pp. 347-351

Proces in as

HT74-23-1921

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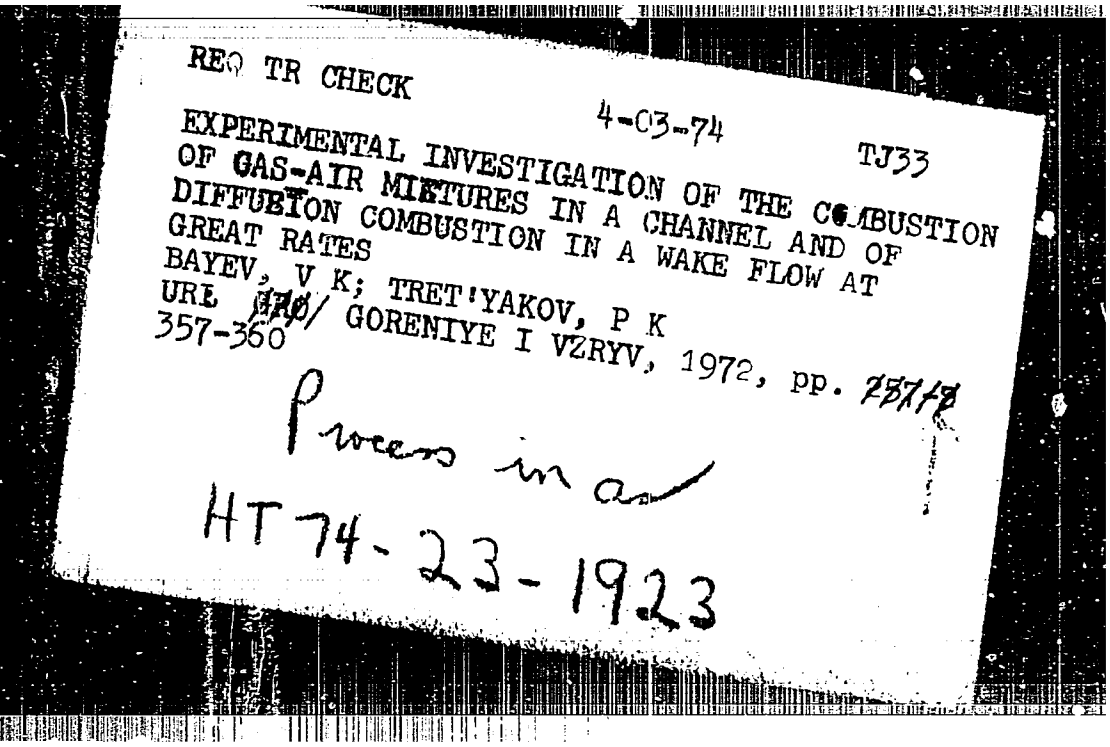

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EXPERIMENTAL INVESTIGATION OF THE COMBUSTION OF GAS-AIR MIXTURES IN A CHANNEL AND OF DIFFUSION COMBUSTION IN A WAKE FLOW AT GREAT RATES

BAYEV, V K; TRET'YAKOV, P K

URL [illegible]/ GORENIYE I VZRYV, 1972, pp. 257-262

357-360

Process in a

HT 74-23-1923

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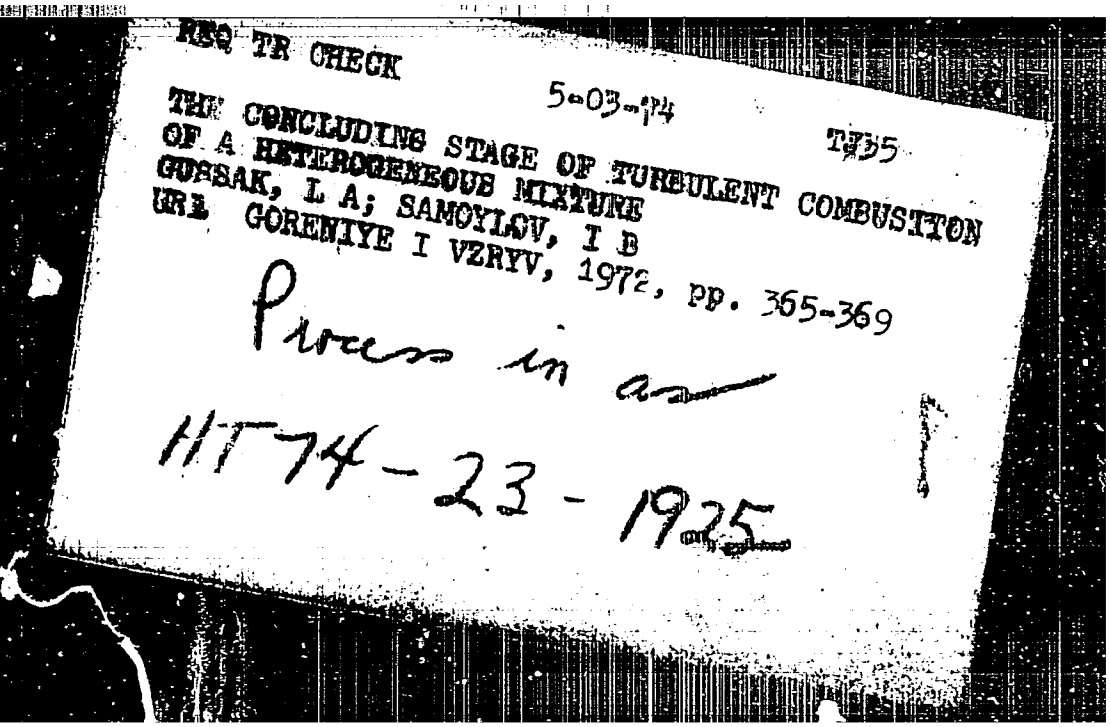

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Gilinskiy, S. M.

Hypersonic Nonstationary flow of a Gas Fuel mixture around Bodies of varying Shapes 13 pp

GORENIYE I VZRYV, MATERIALY TRET'YEGO VSESOYUZNOGO SIMPOZIUMA PO GORENIYU I VZRYVU

pp. 374-381

AIR/FTD-HT-23-842-73

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REQ TR CHECK 5-03-74 TJ40

SOME PECULIARITIES IN THE IGNITION OF GAS MIXTURES WITH INCANDESCENT BODIES UNDER CONDITIONS OF A MOTOR

VOINOV, A N; NECHAYEV, S G

URL GORENIYE I VZRYV, 1972, pp. 392-395

Press in as

HT74-23-1930

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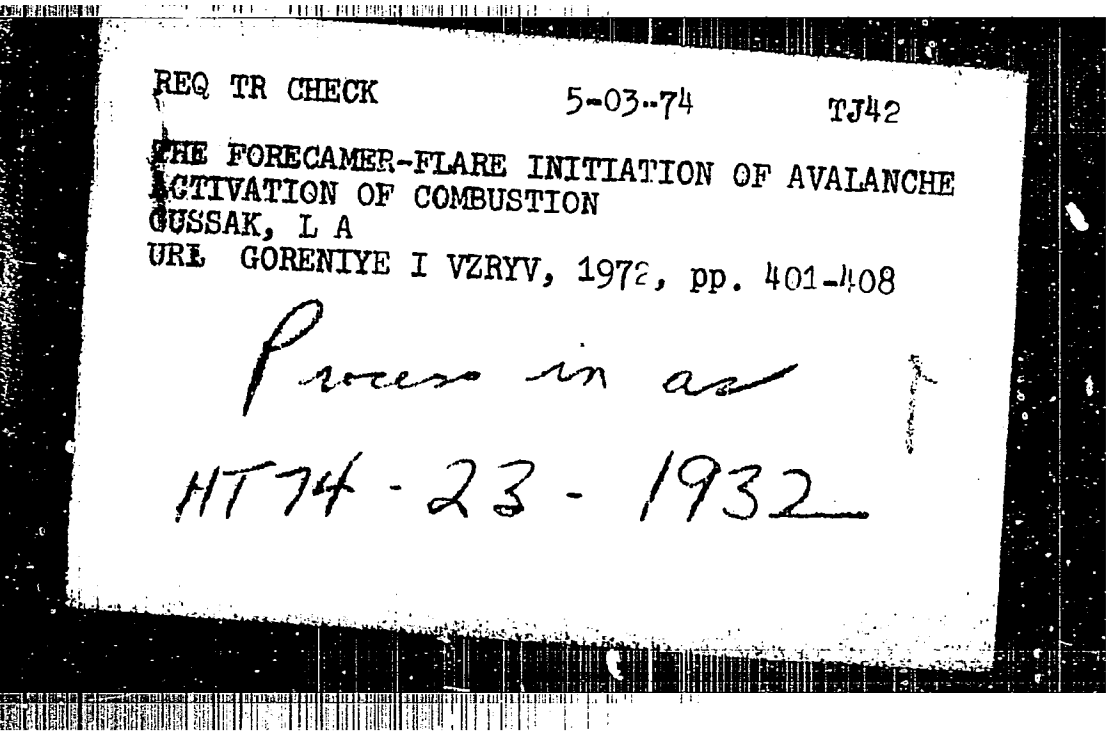

REQ TR CHECK 5-03-74 TJ42

THE FORECAMER-FLARE INITIATION OF AVALANCHE
ACTIVATION OF COMBUSTION
GUSSAK, L A
URL GORENIYE I VZRYV, 1972, pp. 401-408

Process in as

HT74-23-1932

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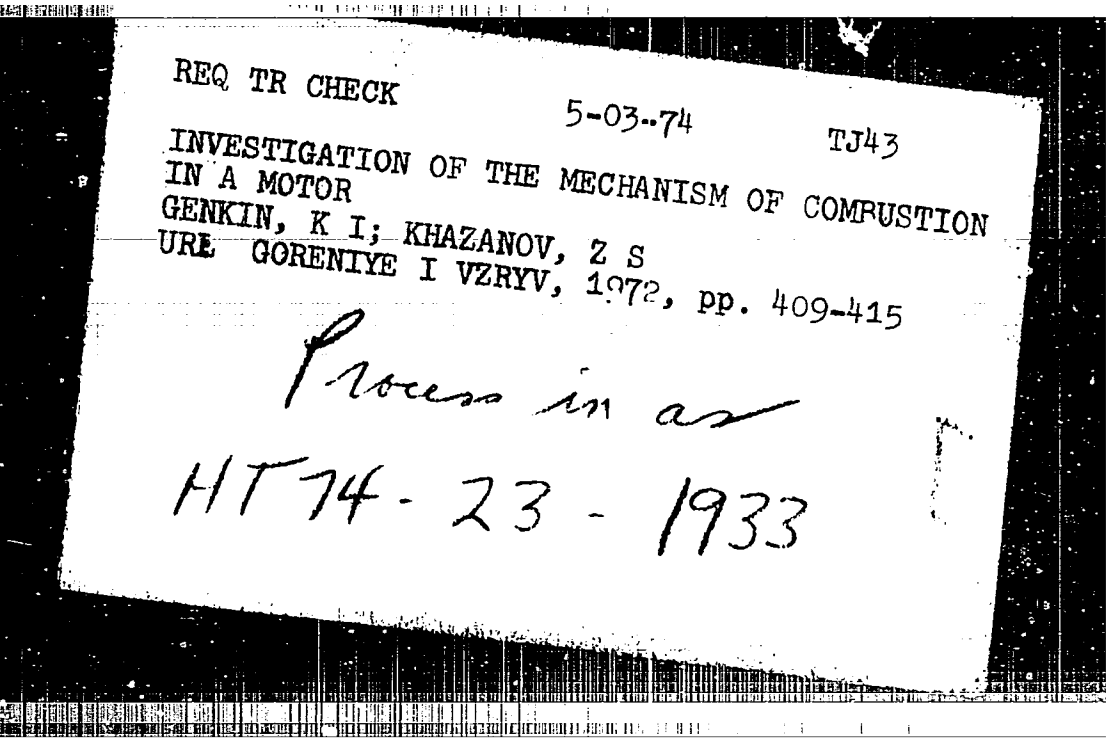

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INVESTIGATION OF THE MECHANISM OF COMBUSTION IN A MOTOR

GENKIN, K I; KHAZANOV, Z S

URE GORENIYE I VZRYV, 1972, pp. 409-415

Process in as

HT74-23-1933

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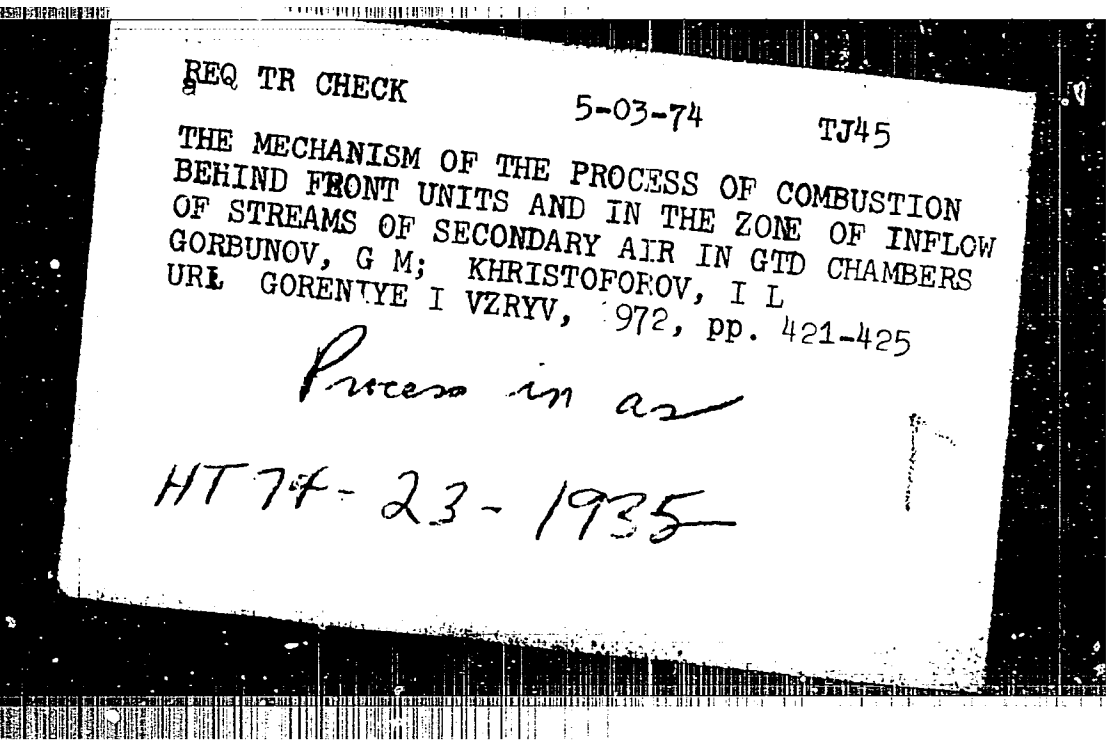

REQ TR CHECK 5-03-74 TJ45

THE MECHANISM OF THE PROCESS OF COMBUSTION BEHIND FRONT UNITS AND IN THE ZONE OF INFLOW OF STREAMS OF SECONDARY AIR IN GTD CHAMBERS
GORBUNOV, G M; KHRISTOFOROV, I L
URL GORENIYE I VZRYV, 972, pp. 421-425

Process in as

HTTF-23-1935

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REQ TR CHECK 5-03-74 TJ50

THE INFLUENCE OF THE PHYSICAL STATE AND STRUCTURE OF THE CHARGE OF TROTYL ON THE TIME OF DECOMPOSITION IN THE DETONATION WAVE
SHVEDOV, K K; KOLDUNOV, S A
URL GORENIYE I VZRYV, 1972, pp. 439-443

Process in as

HT74-23-1940

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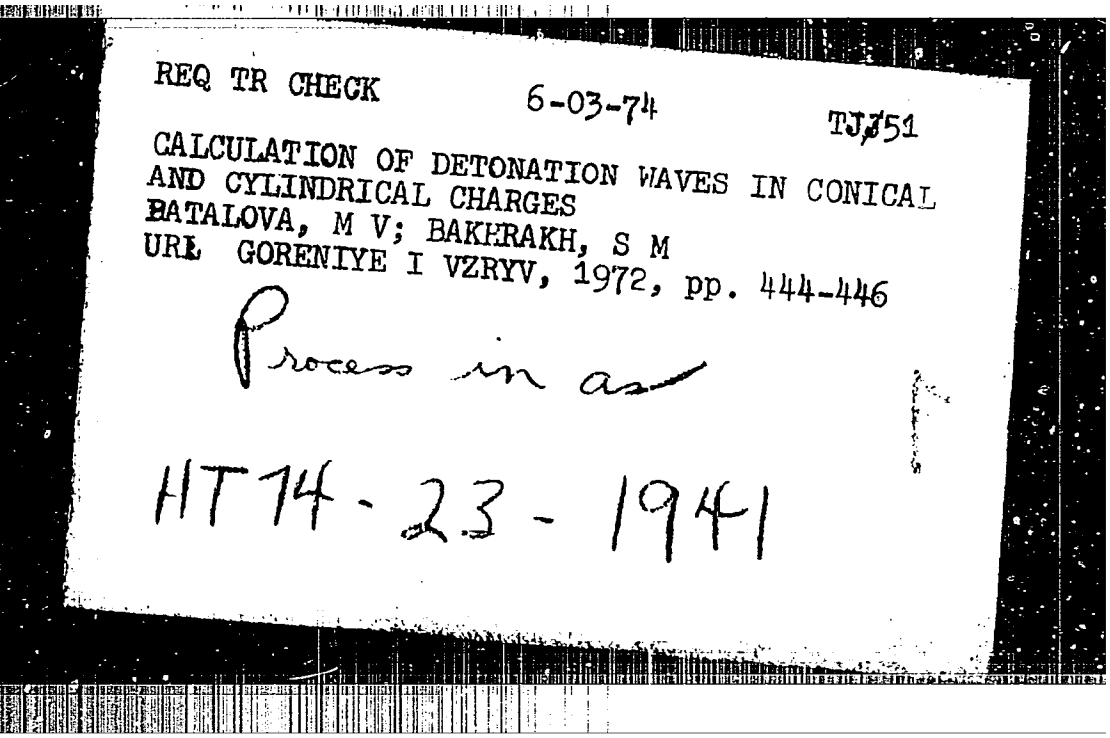

REQ TR CHECK 6-03-74 TJ751

CALCULATION OF DETONATION WAVES IN CONICAL AND CYLINDRICAL CHARGES
BATALOVA, M V; BAKHRAKH, S M
URL GORENIYE I VZRYV, 1972, pp. 444-446

Process in as

HT14-23-1941

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DECOMPOSITION OF HEXOGEN IN THE DETONATION WAVE
VOSKOBOYNIKOV, I M
UR: GORENIYE I VZRYV, 1972, pp. 447-450

Process in as

HT74-23-1942

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REQ TR CHECK 6-03-74 TJ53

OPTICAL AND ROENTGENOGRAPHIC INVESTIGATIONS OF DETONATION PROPERTIES OF LOW-DENSITY EXPLOSIVE SUBSTANCES ON A BASE OF HEXOGEN

SOLOV'YEV, V S; ANDREYEV, S G

UR: GORENIYE I VZRYV, 1972, pp. 451-454

Process in ao

HT74-23-1943

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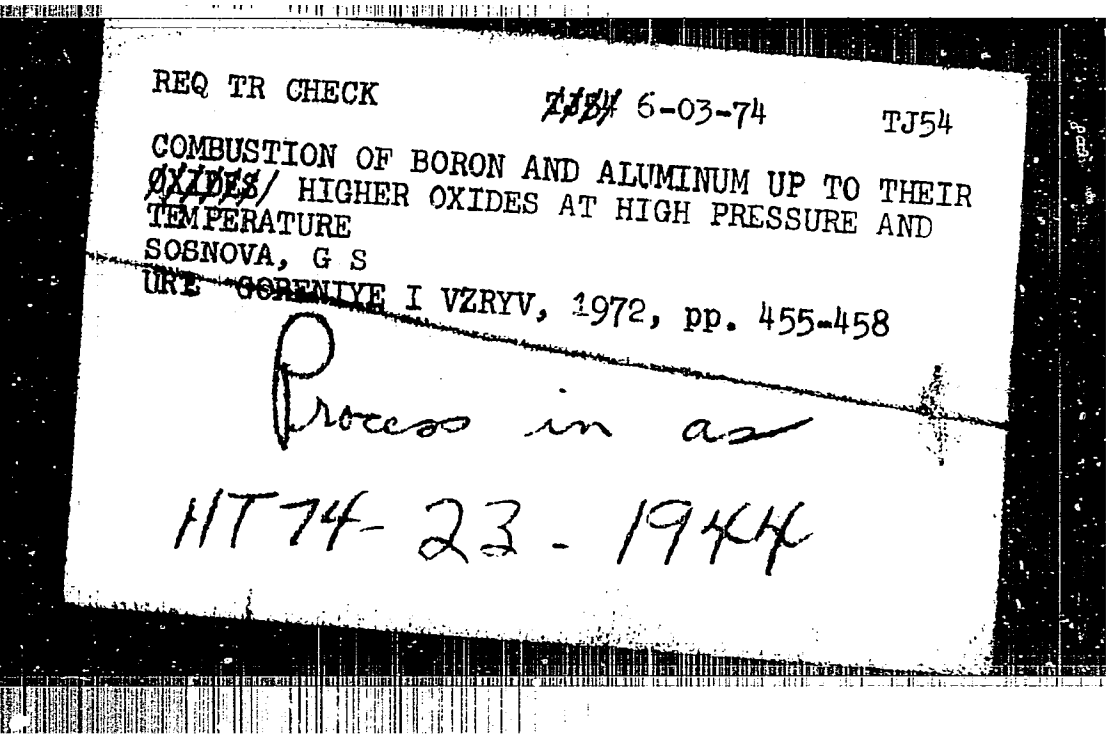

REQ TR CHECK TJ54 6-03-74 TJ54

COMBUSTION OF BORON AND ALUMINUM UP TO THEIR ~~OXIDES~~/ HIGHER OXIDES AT HIGH PRESSURE AND TEMPERATURE

SOSNOVA, G S

URI ~~GORENIYE~~ I VZRYV, 1972, pp. 455-458

Process in as

HT74-23-1944

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100440009-0

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REQ TR CHECK 6-03-74 TJ55

THE MECHANISM OF DETONATION OF WATER-FILLED GRANULATED EXPLOSIVE SUBSTANCES
DRUKOVANYY, M F; KOMIR, V M
UR: GORENIYE I VZRYV, 1972, pp. 459-463

Process in as

HT74-23-1945

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100440009-0

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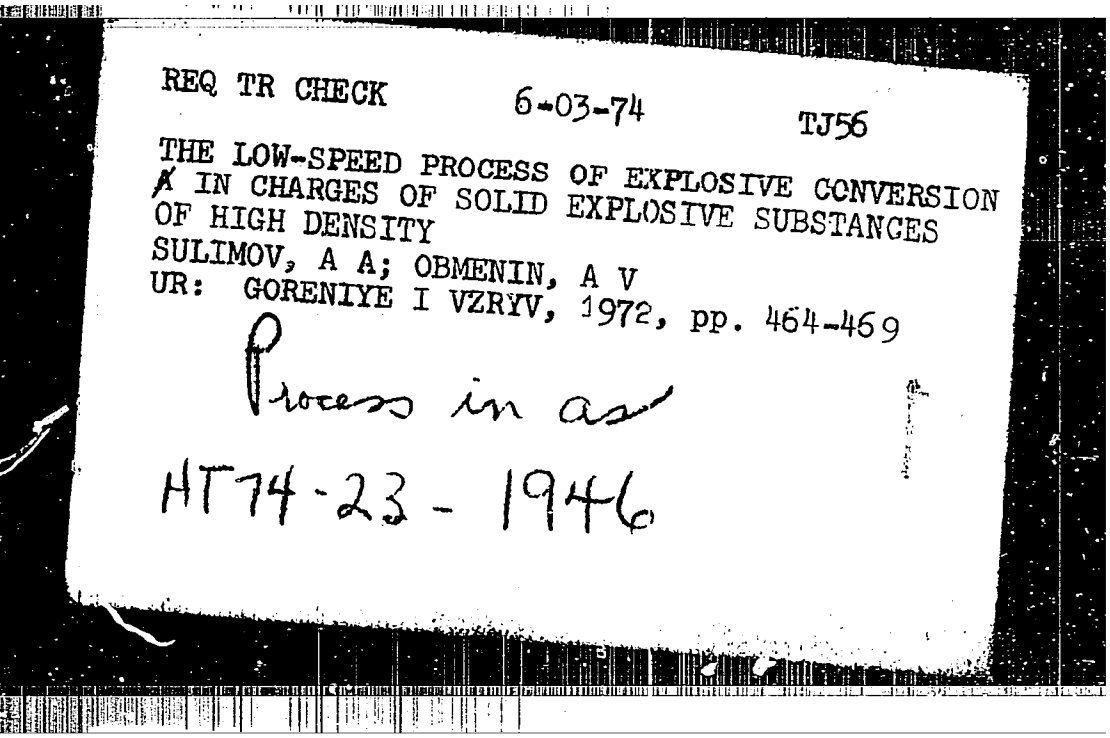

REQ TR CHECK 6-03-74 TJ56

THE LOW-SPEED PROCESS OF EXPLOSIVE CONVERSION IN CHARGES OF SOLID EXPLOSIVE SUBSTANCES OF HIGH DENSITY

SULIMOV, A A; OBMENIN, A V

UR: GORENIYE I VZRYV, 1972, pp. 464-469

Process in as

HT74-23-1946

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100440009-0

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Agency: Picatinny Arsenal
Req. 74-61 e

OVER!!!

Detonation Capability of Some Nitrous and Nitric Acid Esters.

Author: Babaytsev, I.V.,

Source: Gorenie Vzryu, Mater. Vses, Simp., 3rd 1971, (Publ. 1972), pp. 470-3.

Language: Russian

Type single space, paste-up, camera ready copy.

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REQ TR CHECK 6-03-74 TJ57

THE DETONATION CAPABILITY OF SOME ETHERS OF NITROUS AND NITRIC ACIDS
BABAYTSEV, I V; KONDRIKOV, B N
UR: GORENIYE I VZRYV, 1972, pp. 470-473

Process in as

HT 74-23-1947

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100440009-0

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REQ TR CHECK 6-03-74 TJ58

CRITICAL DIAMETERS OF DETONATION OF SOLUTIONS OF LIQUID EXPLOSIVE SUBSTANCES

VOSKOBOYNIKOV, N F

UR: GORENIYE I VZRYV, 1972, pp. 474-476

Process in as

HT74-23-1948

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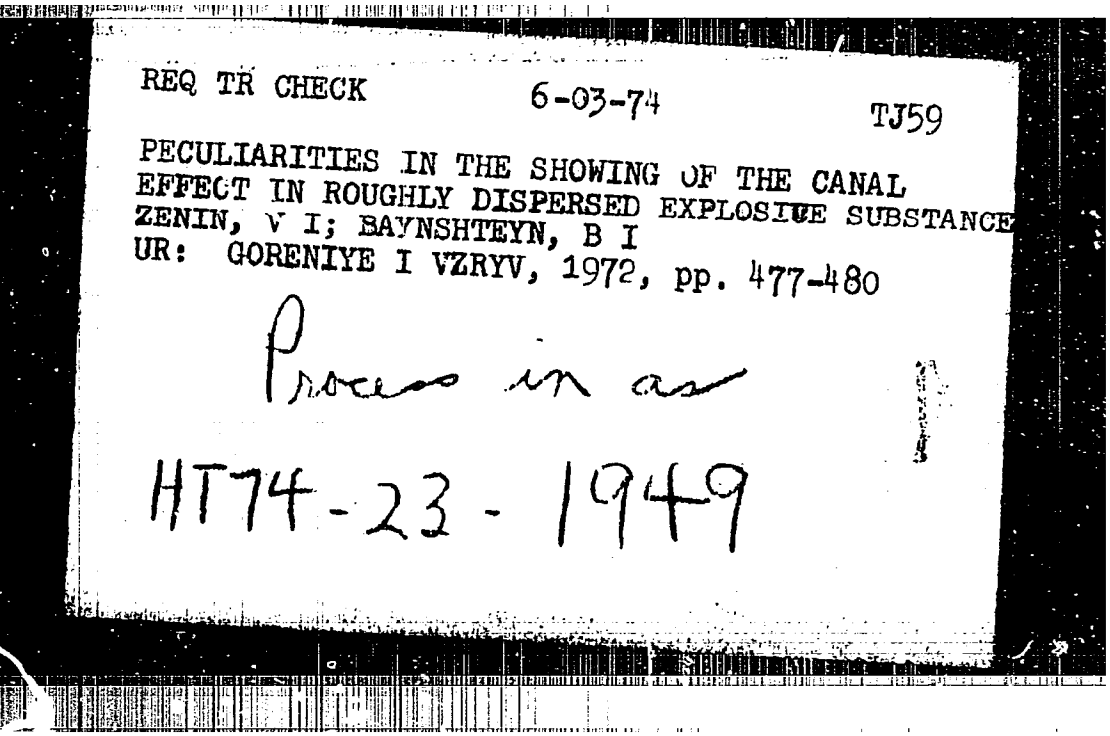

REQ TR CHECK 6-03-74 TJ59

PECULIARITIES IN THE SHOWING OF THE CANAL EFFECT IN ROUGHLY DISPERSED EXPLOSIVE SUBSTANCE
ZENIN, V I; BAYNSHTEYN, B I
UR: GORENIYE I VZRYV, 1972, pp. 477-480

Process in as

HT74-23-1949

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REQ TR CHECK 6-03-74 TJ60

THE DISPOSITION OF THE CHAPMAN-ZHUGE SURFACE IN A MULTIFRONT DETONATION IN GASES
VASIL'YEV, A A; GAVRILENKO, T P
UR: T GORENIYE I VZRYV, 1972, pp. 481-486

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REQ TR CHECK 6-03-74 TJ62

FLEGMATIZATION OF THE DETONATION AND DEFIAGRATION COMBUSTION OF THE SYSTEMS KEROSENE-AIR AND KEROSENE-OXYGEN WITH TETRA-FLUORDIBROMETHANE,

POTEKHIN, G S; BARATOV A N

UR: GORENIYE I VZRYV, 1972, pp. 491-493

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REQ TR CHECK 6-03-74 TJ53

DYNAMICS OF IGNITION OF A GAS-LIQUID COMBUSTIBLE MIXTURE BEHIND THE FOR FRONT OF A WAK SHOCK WAVE

(GEL'FAND, B YE; GUBIN, S A

UR: GORENIYE I VZRYV, 1972, pp. 494-497

Process in as

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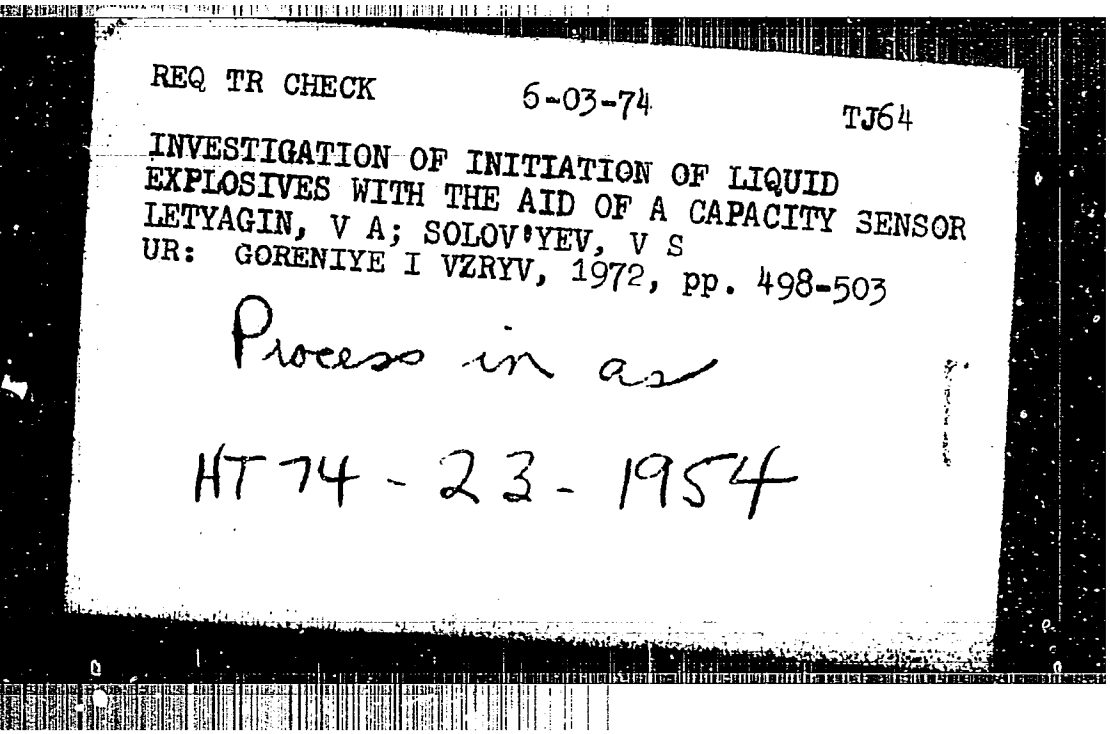

REQ TR CHECK 6-03-74 TJ64

INVESTIGATION OF INITIATION OF LIQUID EXPLOSIVES WITH THE AID OF A CAPACITY SENSOR
LETYAGIN, V A; SOLOV'YEV, V S
UR: GORENIYE I VZRYV, 1972, pp. 498-503

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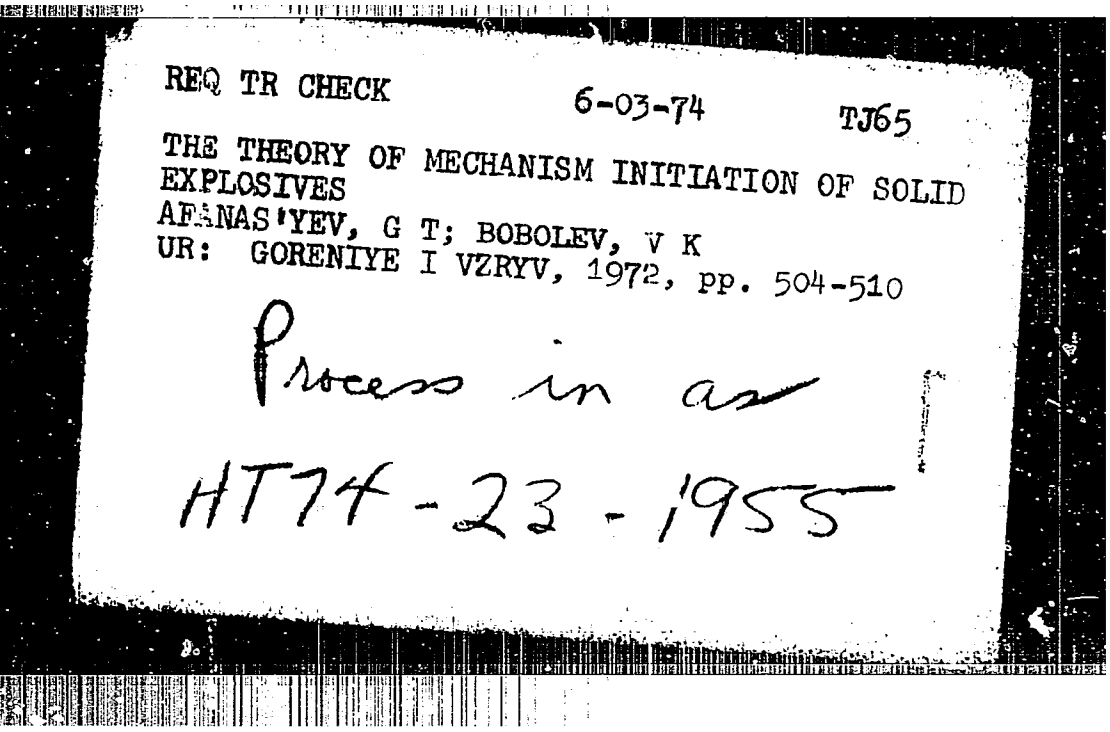

REQ TR CHECK 6-03-74 TJ65

THE THEORY OF MECHANISM INITIATION OF SOLID EXPLOSIVES

AFANAS'YEV, G T; BOBOLEV, V K

UR: GORENIYE I VZRYV, 1972, pp. 504-510

Process in as

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THE MECHANISM OF INITIATION OF EXPLOSIVES BY FRICTION

VODYANIK, YU.I.; DUBNOV, L V

UR: GORENIYE I VZRYV, 1972, pp. 511-514

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REQ TR CHECK 6-03-74 TJ67

THE ROLE OF CHEMICAL INTERACTTON OF THE COMPONENTS AT INDUCTION OF THE DETONATION BY IMPACT IN MIXTURES OF AMMONIUM PERCHLORATE AND THE FUEL

BOBOLYEEV, V K; KARPUKHIN, I A

UR: GORENIYE I VZRYV, 1972, pp. 515-518

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REQ TR CHECK 6-03-74 TJ68

THE ACTIVATION OF DETONATION FROM FRICTION OF A METALLIC SURFACE WITH THE EXPLOSIVE CONTAINING SOLID INCLUSIONS
KLOCHKOV, I S
UR: GORENIYE I VZRYV, 1972, pp. 519-522

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REQ TR CHECK 12-03-74 TK12

THE ROLE OF NONLINEARITY IN THE SYSTEM OF HYDROGEN OXIDATION
LOVACHEV, L.A.; GONTKOVSKAYA, V T
UR: GORENIYE I VZRYV, 1972, pp. 638-641

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100440009-0

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REQ TR CHECK 12-03-74 TR13

INVESTIGATION OF THE KINETICS OF COMBUSTION OF MIXTURES OF HYDROGEN AND CARBON MONOXIDE
KOCHUBEY, V F; MOIN, F B
UR: GORENIYE I VZRYV, 1972, pp. 642-645

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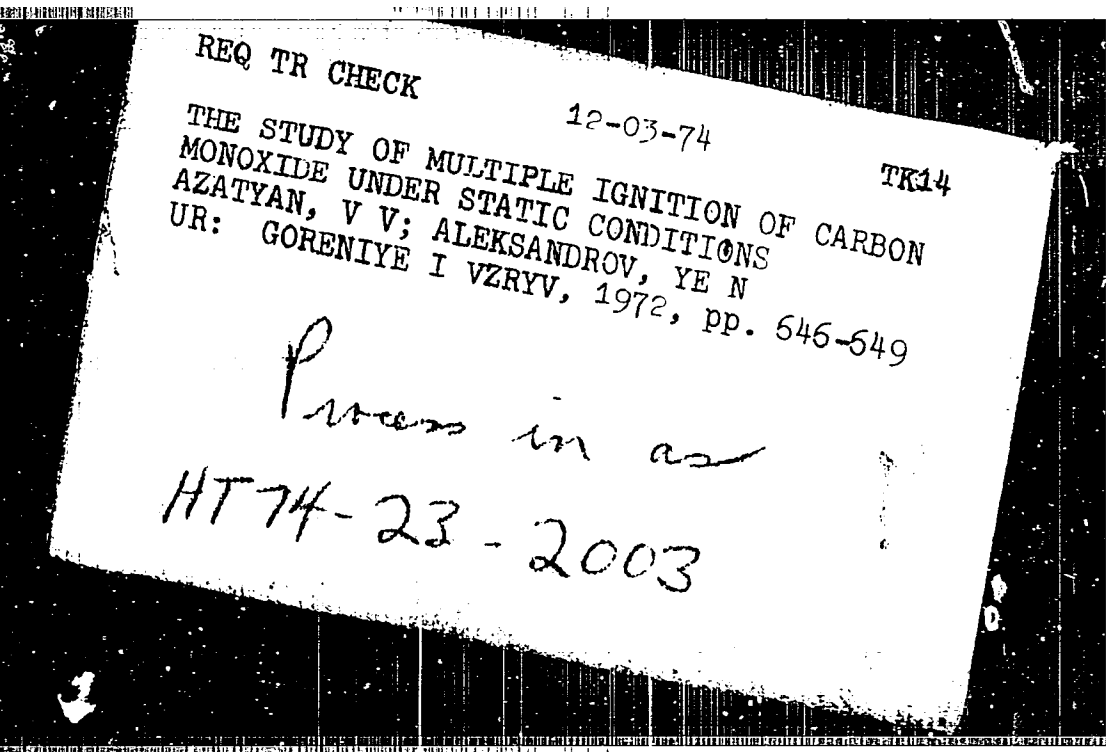

REQ TR CHECK 12-03-74 TK14

THE STUDY OF MULTIPLE IGNITION OF CARBON MONOXIDE UNDER STATIC CONDITIONS
AZATYAN, V V; ALEKSANDROV, YE N
UR: GORENIYE I VZRYV, 1972, pp. 546-549

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REQ TR CHECK 12-03-74 TK-6

DETERMINATION OF PROBABILITIES OF HETEROGENEOUS AND HOMOGENEOUS DEACTIVATION OF MOLECULES D_2 (ν=1)

FEDOTOV, N.G.; SARKISOV, O M

UR: GORENIYE I VZRYV, 1972, pp. 654-657

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REQ TR CHECK 12-03-74 TK21

KINETIC PROPERTIES OF GASES AT HIGH TMP TEMPERATURES: DETERMINATION OF COLLISION INTERVALS

KALININ, A.P.; LEONAS, V B

UR: GORENIYE I VZRYV, 1972, pp. 579-584

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REQ TR CHECK 12-03-74 TK27

INHIBITION OF LOW- AND HIGH-TEMPERATURE REACTIONS OF COMBUSTION OF HYDROCARBON FUELS

ABDURAGIMOV, I M; DRIKER, G YA

UR: GORENIYE I VZRYV, 1972, pp. 712-715

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REQ TR CHECK 12-03-74 TK29

THE ROLE OF EXCITED PARTICLES IN THE ACCELERATED ACTION OF SMALL ADDITIONS OF OXYGEN ON THE HIGH-TEMPERATURE CHLORINATION OF ETHYLENE

SHTERN, V YA; REVZIN, A F

UR: GORENIYE I VZRYV, 1972, pp. 720-724

Press in ac

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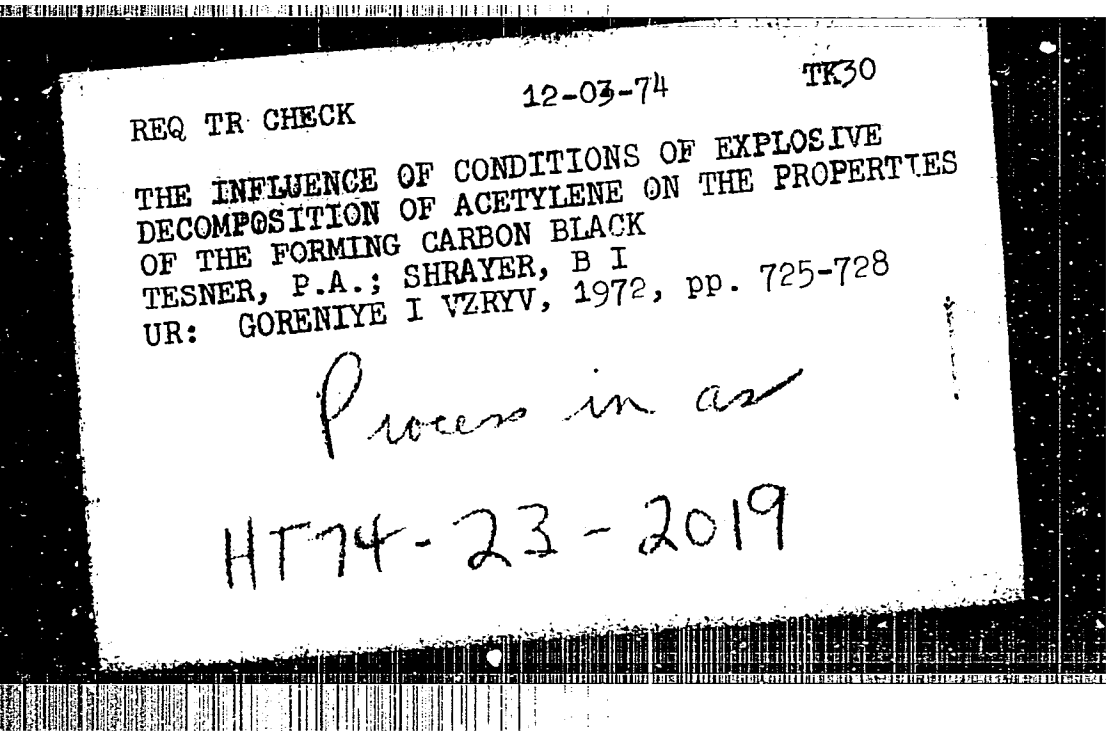

REQ TR CHECK 12-03-74 TK30

THE INFLUENCE OF CONDITIONS OF EXPLOSIVE DECOMPOSITION OF ACETYLENE ON THE PROPERTIES OF THE FORMING CARBON BLACK
TESNER, P.A.; SHRAYER, B I
UR: GORENIYE I VZRYV, 1972, pp. 725-728

Process in as

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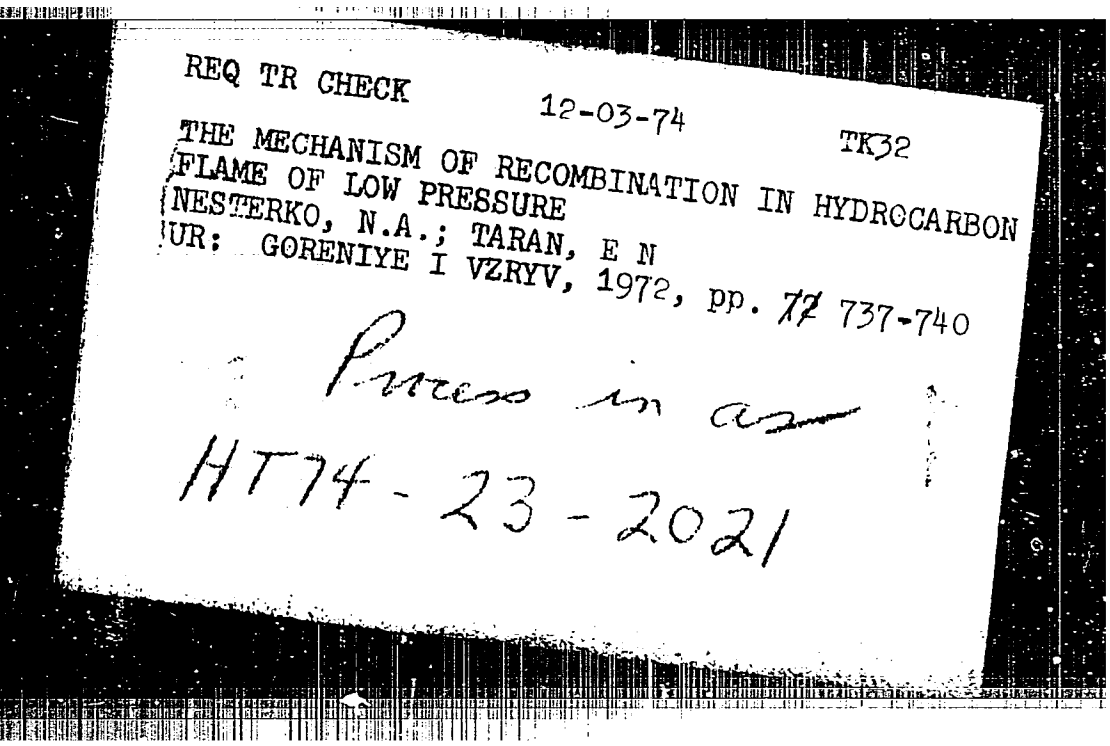

REQ TR CHECK 12-03-74 TK32

THE MECHANISM OF RECOMBINATION IN HYDROCARBON FLAME OF LOW PRESSURE
NESTERKO, N.A.; TARAN, E N
UR: GORENIYE I VZRYV, 1972, pp. 77 737-740

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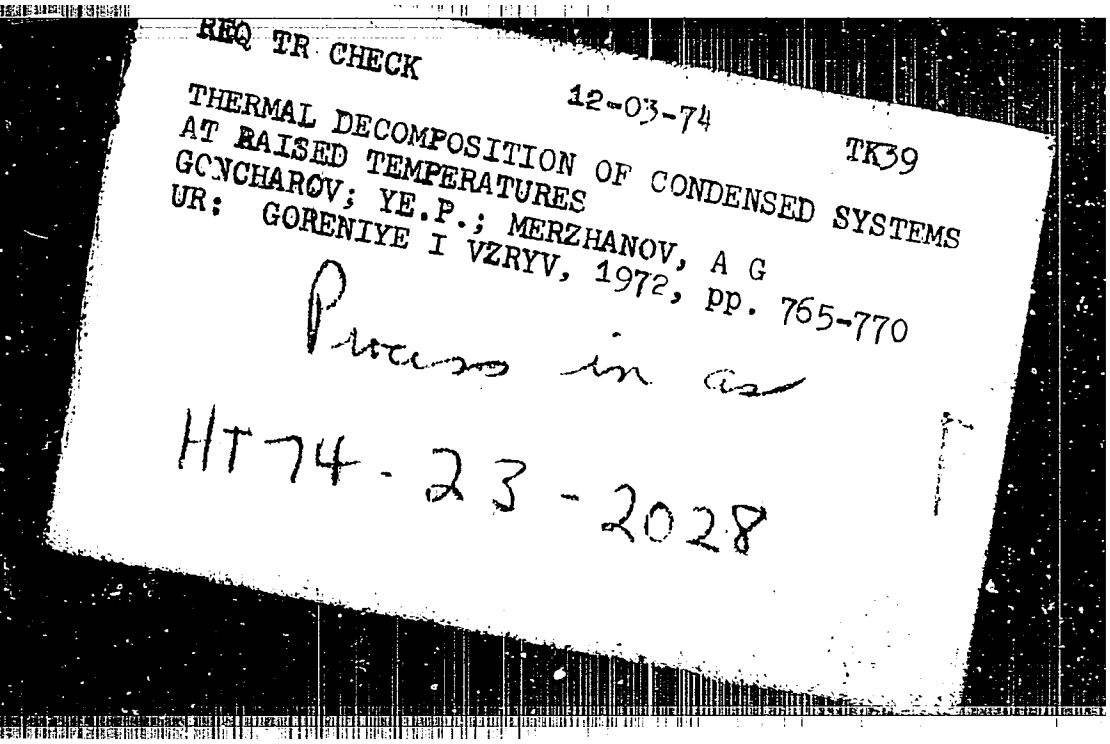

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THERMAL DECOMPOSITION OF CONDENSED SYSTEMS AT RAISED TEMPERATURES

GONCHAROV; YE.P.; MERZHANOV, A G

UR: GORENIYE I VZRYV, 1972, pp. 765-770

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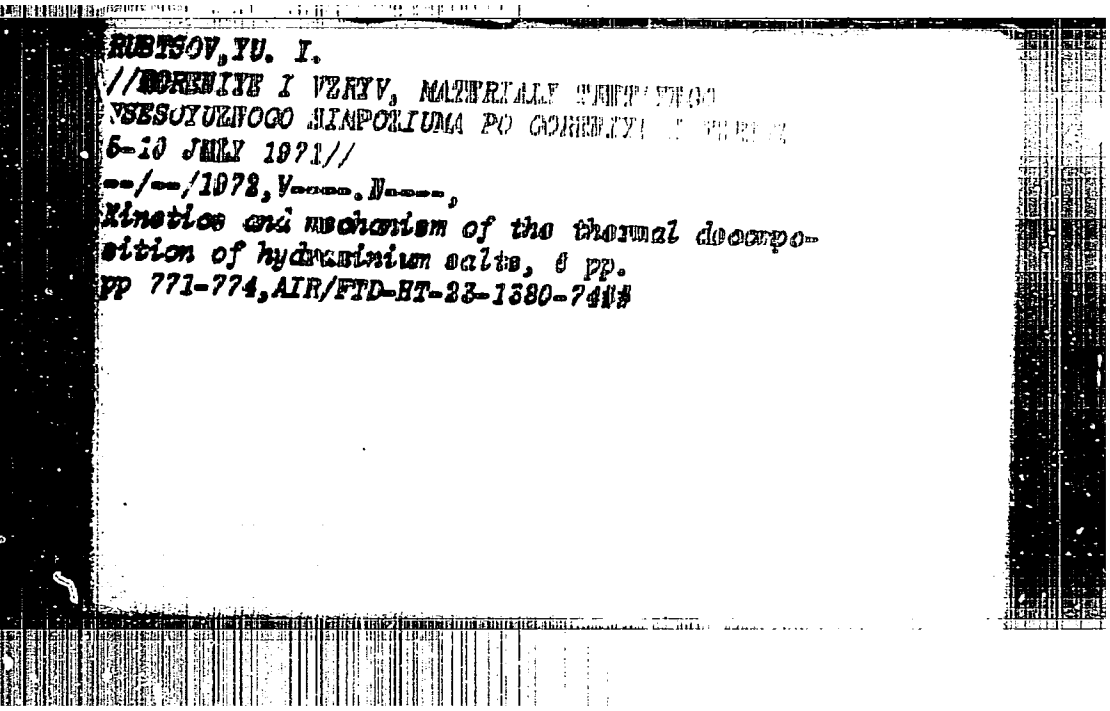

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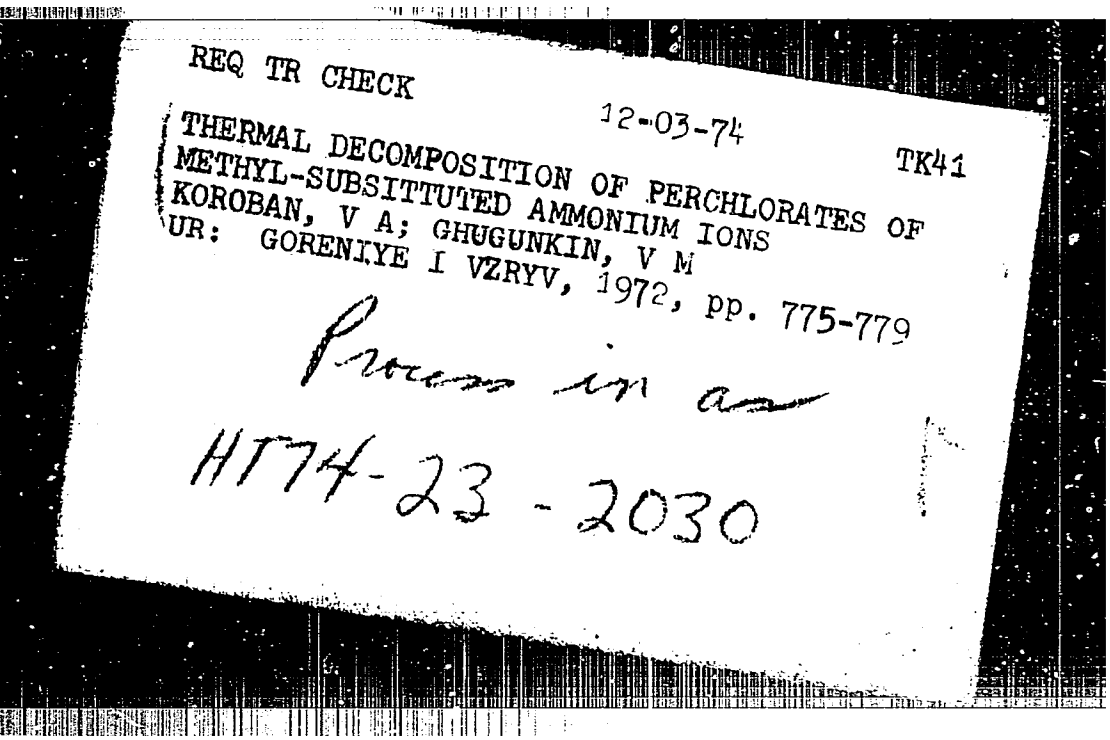

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THERMAL DECOMPOSITION OF PERCHLORATES OF METHYL-SUBSITTUTED AMMONIUM IONS
KOROBAN, V A; GHUGUNKIN, V M
UR: GORENIYE I VZRYV, 1972, pp. 775-779

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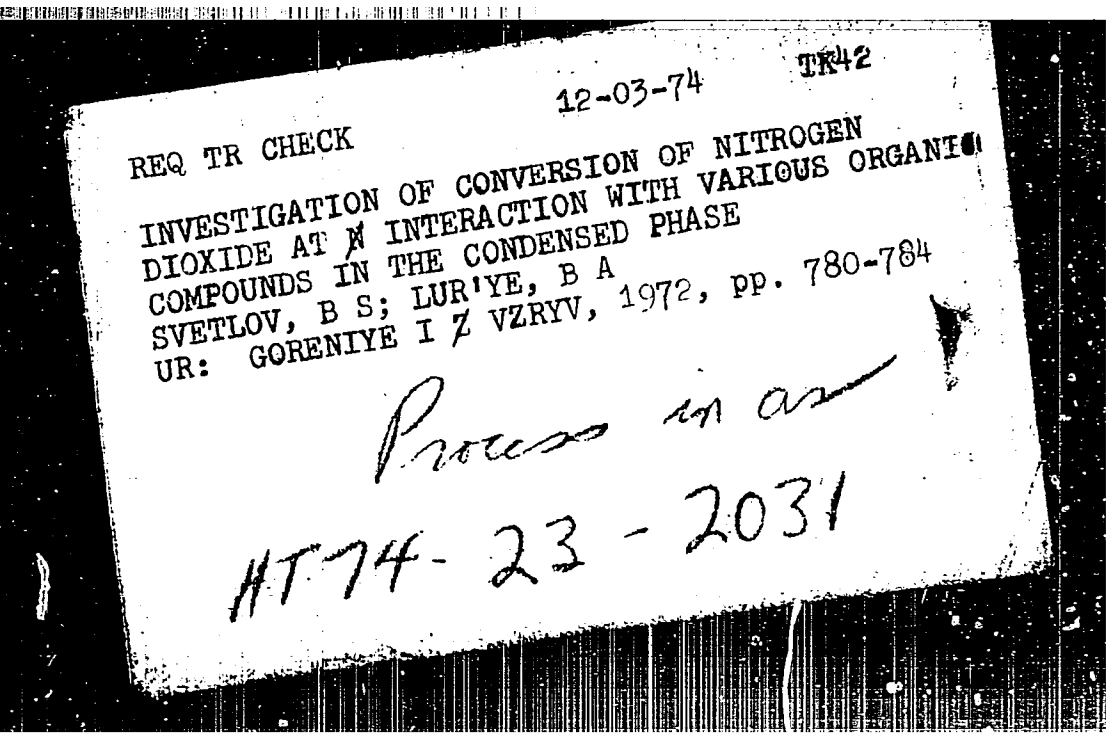

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INVESTIGATION OF CONVERSION OF NITROGEN DIOXIDE AT INTERACTION WITH VARIOUS ORGANIC COMPOUNDS IN THE CONDENSED PHASE

SVETLOV, B S; LUR'YE, B A

UR: GORENIYE I VZRYV, 1972, pp. 780-784

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PHYSICAL PHENOMENA OCCURING IN THE INITIAL STAGES OF THE PROCESS OF THERMAL DECOMPOSITION OF CYCLOTRIMETHYLENETRINITROAMINE

BELYAYEVA, M.S.; KITAYGORODSKIY, A I

UR: GORENIYE I VZRYV, 1972, pp. 785-788

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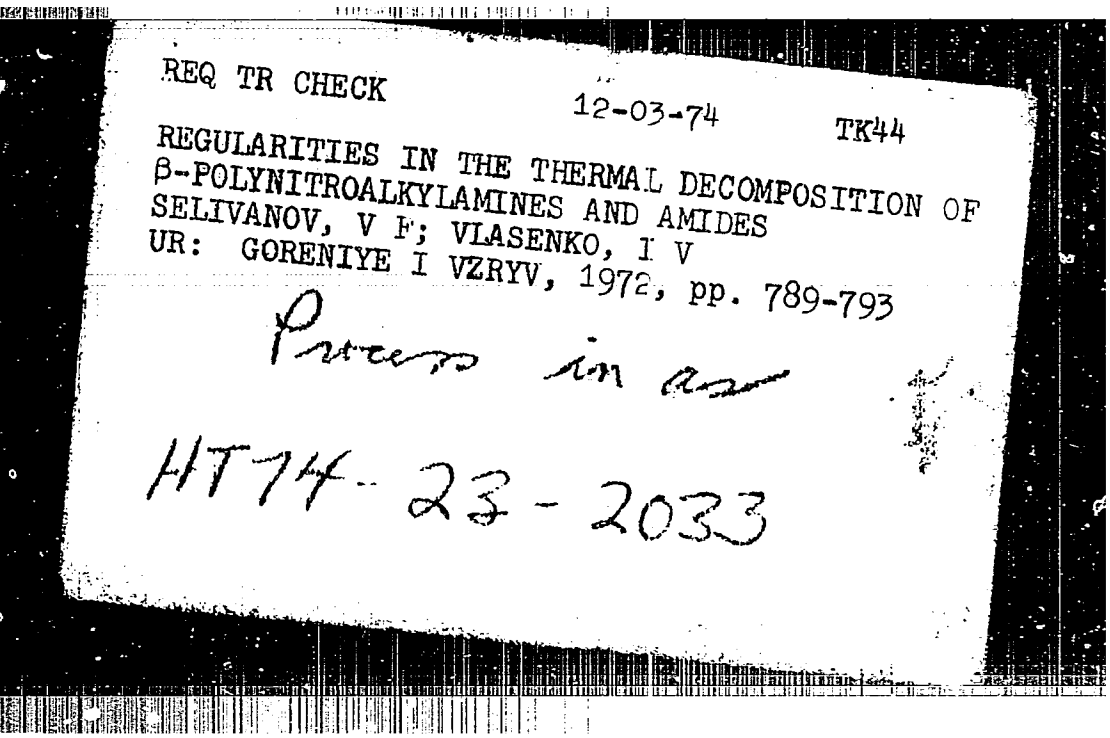

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REGULARITIES IN THE THERMAL DECOMPOSITION OF β-POLYNITROALKYLAMINES AND AMIDES
SELIVANOV, V F; VLASENKO, I V
UR: GORENIYE I VZRYV, 1972, pp. 789-793

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COLLECTION AND CRITICAL EVALUATION OF THE RATE CONSTANTS OF CHEMICAL REACTIONS
KONDRAT'YEV, V N; POROYKOVA, A I
UR: GORENIYE I VZRYV, 1972, pp. 794-796

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